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TECTUS 3D Adjustable Hinge 155 x 26mm 120KG - SW040 Satin Stainless Steel

Variant code: TE526.3D.SSS

The **TECTUS 3D Adjustable Concealed Stainless Steel Hinge** is a high-performance hinge system designed for **unrebated heavy-duty doors**. Manufactured from **solid stainless steel**, the hinge measures **155 x 26mm** and provides a substantial **load capacity of up to 120kg**, making it suitable for demanding architectural door installations where strength and discreet aesthetics are required.

The **completely concealed hinge system** is suitable for use with **timber, steel or aluminium frames** and provides comfortable **3D adjustment** for accurate door alignment. Adjustment includes **side +/- 3.0mm, height +/- 3.0mm and compression +/- 1.0mm**, while **maintenance-free slide bearings** provide smooth operation with minimal ongoing maintenance requirements.

With an **opening angle of up to 180°**, the hinge combines installation flexibility with heavy-duty performance. Its documented quality marks include **CE, IFT, UL, Certifire and UKCA certification**. The product is also included within function ranges covering **Fire Resistance, Smoke Resistance, Soundproof and Burglar Resistance**, with suitability for functional doors dependent on the complete tested door set and assembly.

Product Features

- **Completely concealed hinge system**
- Manufactured from **solid stainless steel**
- **155 x 26mm** hinge dimensions
- **Load capacity up to 120kg**
- Designed for **unrebated heavy-duty doors**
- Suitable for **timber, steel or aluminium frames**
- Provides comfortable **3D adjustment**
- **Side adjustment:** +/- 3.0mm
- **Height adjustment:** +/- 3.0mm
- **Compression adjustment:** +/- 1.0mm
- Features **maintenance-free slide bearings**

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- Provides an **opening angle up to 180°**
- **CE, IFT, UL, Certifire and UKCA certified**
- **Function range:** Fire Resistance, Smoke Resistance, Soundproof & Burglar Resistance

Product Benefits

- **Solid stainless steel construction provides a robust hinge solution for demanding heavy-duty door installations**
- **Up to 120kg load capacity provides dependable support for suitable heavy-duty doors**
- **3D adjustment enables precise side, height and compression alignment after installation**
- **Completely concealed installation** maintains a clean and minimalist appearance when the door is closed
- Compatible with **timber, steel and aluminium frames** for versatile specification
- **Maintenance-free slide bearings** help minimise ongoing servicing requirements
- **180° opening angle** provides excellent opening capability where the installation permits
- Suitable for door assemblies requiring **Fire Resistance, Smoke Resistance, Soundproof or Burglar Resistance**, subject to the complete door set and assembly meeting the relevant requirements
- **CE, IFT, UL, Certifire and UKCA certification** provides documented product credentials

Technical Characteristics

- **Product Type:** 3D Adjustable Concealed Heavy-Duty Hinge
- **Material:** Solid Stainless Steel
- **Overall Length:** 155mm
- **Door Part Width:** 26mm
- **Frame Part Width:** 26mm
- **Load Capacity:** Up to 120kg
- **Door Type:** Unrebated Heavy-Duty Doors
- **Frame Compatibility:** Timber, Steel & Aluminium
- **Side Adjustment:** +/- 3.0mm
- **Height Adjustment:** +/- 3.0mm
- **Compression Adjustment:** +/- 1.0mm
- **Bearing Type:** Maintenance-Free Slide Bearings

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- **Minimum Door Thickness:** 34mm
- **Cutter Diameter:** 24mm
- **Collar Ring Diameter:** 30mm
- **Opening Angle:** 180°
- **Function Range:** Fire Resistance, Smoke Resistance, Soundproof & Burglar Resistance
- **Certification:** CE, IFT, UL, Certifire & UKCA
- **Classification Standard:** EN 1935 / EAD
- **Classification Code:** 4 7 6 1* 1 1 4 1 13
- **Load Capacity Basis:** 2 Hinges Per 2000 x 1000mm Door

Applications

The **TECTUS 3D Adjustable Concealed Stainless Steel Hinge** is designed for **unrebated heavy-duty doors** installed into compatible **timber, steel or aluminium frames**. Its combination of **solid stainless steel construction, completely concealed installation, precise 3D adjustment, maintenance-free slide bearings, 180° opening angle and up to 120kg load capacity** makes it suitable for demanding residential, commercial and architectural door installations. It can also form part of door assemblies requiring **Fire Resistance, Smoke Resistance, Soundproof or Burglar Resistance**, subject to the complete door set and assembly achieving the necessary test evidence and performance requirements.

Property	Value
Finish	Satin Stainless Steel
Opening angle (°)	180
Load Capacity (kg)	120
Width Door Part (mm)	26
Width Frame Part (mm)	26
Cutter diameter (mm)	24
Collar ring diameter (mm)	30
Min Door Thickness (mm)	34
Overall Length (mm)	155
Certification	CE, IFT, UL, Certifire & UKCA